

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

### Reclamation District No. 2095 Paradise Cut

| Waterway                 | Bank | Unit Miles | Inspection Start/End     | Inspector           |
|--------------------------|------|------------|--------------------------|---------------------|
| Unit No. 01 Paradise Cut | Left | 1.45       | 10/20/2015<br>10/20/2015 | Maksim<br>Khashchuk |

|  |                                  |              |    |                        |     |
|--|----------------------------------|--------------|----|------------------------|-----|
| LM Start   |                                  | Rating **    | A  | Issue No.              | 14  |
| LM End   |                                  | Issue Type + | Ma | Location *             | N/A |
| Category   | Earthen Levee                    |              |    | GPS Latitude/Longitude |     |
|  |                                  |              |    | Start                  | End |
| Item   | Operations & Maintenance Manuals |              |    |                        | °   |
|  |                                  |              |    |                        | °   |
| DWR ID   | DWR_RD2095_01_s _ 2013_14        |              |    |                        |     |
| Action/Comments  |                                  |              |    |                        |     |
| Inspector Comments: The O&M Manual is available at the office. |                                  |              |    |                        |     |

No Photos

|   |                               |              |    |                        |     |     |
|---|-------------------------------|--------------|----|------------------------|-----|-----|
| LM Start  |                               | Rating **    | A  | Issue No.              | 17  |     |
| LM End  |                               | Issue Type + | Ma | Location *             | N/A |     |
| Category  | Earthen Levee                 |              |    | GPS Latitude/Longitude |     |     |
|   |                               |              |    | Start                  |     | End |
| Item  | Flood Preparedness & Training |              |    |                        | °   |     |
|   |                               |              |    |                        | °   |     |
| DWR ID  | DWR_RD2095_01_s _ 2013_17     |              |    |                        |     |     |
| Action/Comments   |                               |              |    |                        |     |     |
| Inspector Comments: The LMA has a current flood fight training and a flood fighting plan. |                               |              |    |                        |     |     |

No Photos

|   |                                |              |    |                        |     |     |   |
|---|--------------------------------|--------------|----|------------------------|-----|-----|---|
| LM Start  |                                | Rating **    | A  | Issue No.              | 19  |     |   |
| LM End  |                                | Issue Type + | Ma | Location *             | N/A |     |   |
| Category  | Earthen Levee                  |              |    | GPS Latitude/Longitude |     |     |   |
|   |                                |              |    | Start                  |     | End |   |
| Item  | Emergency Supplies & Equipment |              |    |                        | °   |     | ° |
|   |                                |              |    |                        | °   |     | ° |
| DWR ID  | DWR_RD2095_01_s _ 2013_19      |              |    |                        |     |     |   |
| Action/Comments   |                                |              |    |                        |     |     |   |
| Inspector Comments: Flood fighting supplies available on-site at the warehouse. |                                |              |    |                        |     |     |   |

No Photos

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

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| Waterway                 | Bank | Unit Miles | Inspection Start/End     | Inspector           |
|--------------------------|------|------------|--------------------------|---------------------|
| Unit No. 01 Paradise Cut | Left | 1.45       | 10/20/2015<br>10/20/2015 | Maksim<br>Khashchuk |

|  |                          |              |     |                        |             |
|--|--------------------------|--------------|-----|------------------------|-------------|
| LM Start   | 0.11                     | Rating **    | A/W | Issue No.              | 134         |
| LM End   | 0.11                     | Issue Type + | Ma  | Location *             | WS          |
| Category   | Earthen Levee            |              |     | GPS Latitude/Longitude |             |
|  |                          |              |     | Start                  | End         |
| Item   | Slope Stability          |              |     | 37.770212 °            | 37.770212   |
|  |                          |              |     | -121.325675 °          | -121.325675 |
| DWR ID   | DWR_RD2095_01_s_2014_134 |              |     |                        |             |
| Action/Comments  |                          |              |     |                        |             |
| Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                          |              |     |                        |             |

Photo 1 of 1 : FA\_2015\_RD2095\_322\_134\_20150910\_00008.jpg



View of the vehicle access on the waterside levee slope.

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 0.15                    | Rating **    | A/W | Issue No.              | 10            |
| LM End   | 0.15                    | Issue Type + | Ma  | Location *             | WS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Slope Stability         |              |     | 37.769997 °            | 37.769997 °   |
|  |                         |              |     | -121.325055 °          | -121.325055 ° |
| DWR ID   | DWR_RD2095_01_f_2015_10 |              |     |                        |               |
| Action/Comments  |                         |              |     |                        |               |
| Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                         |              |     |                        |               |

Photo 1 of 1 : FA\_2015\_RD2095\_322\_10\_20151026\_00014.jpg



View of the vehicle tracks on the waterside levee slope.

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 0.42                    | Rating **    | A/W | Issue No.              | 13            |
| LM End   | 0.42                    | Issue Type + | Ma  | Location *             | WS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Slope Stability         |              |     | 37.766917 °            | 37.766917 °   |
|  |                         |              |     | -121.322267 °          | -121.322267 ° |
| DWR ID   | DWR_RD2095_01_s_2013_13 |              |     |                        |               |
| Action/Comments  |                         |              |     |                        |               |
| Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                         |              |     |                        |               |
| Inspector Comments: LMA is actively controlling the slope instability.               |                         |              |     |                        |               |

Photo 1 of 1 : FA\_2015\_RD2095\_322\_13\_20150910\_00007.jpg



View of the repaired waterside levee slope.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

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| Waterway                 | Bank | Unit Miles | Inspection Start/End     | Inspector        |
|--------------------------|------|------------|--------------------------|------------------|
| Unit No. 01 Paradise Cut | Left | 1.45       | 10/20/2015<br>10/20/2015 | Maksim Khashchuk |

|   |                            |              |    |                        |               |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.68                       | Rating **    | C  | Issue No.              | 242           |
| LM End  | 0.68                       | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|   |                            |              |    | Start                  | End           |
| Item  | Erosion / Bank Caving      |              |    | 37.763991 °            | 37.763991 °   |
|   |                            |              |    | -121.319334 °          | -121.319334 ° |
| DWR ID  | DWR_RD2095_01_s _ 2015_242 |              |    |                        |               |
| Action/Comments   |                            |              |    |                        |               |
| Schedule repair of erosion site prior to the next inspection. |                            |              |    |                        |               |

No Photos

|  |                    |              |    |                        |             |
|--|--------------------|--------------|----|------------------------|-------------|
| LM Start   | 0.72               | Rating **    | M  | Issue No.              | 1           |
| LM End   | 0.73               | Issue Type + | Ma | Location *             | WS          |
| Category   | Supplemental       |              |    | GPS Latitude/Longitude |             |
|  |                    |              |    | Start                  | End         |
| Item   | DWR Erosion Survey |              |    | 37.763630 °            | 37.763630   |
|  |                    |              |    | -121.319000 °          | -121.319000 |
| DWR ID   |                    |              |    |                        |             |
| Action/Comments  |                    |              |    |                        |             |
| Inspector Comments: 08/04/2015: No significant change observed.<br>08/26/2014: No significant change observed.<br>08/28/2013: No significant change observed.<br>07/18/2012: No significant change observed.<br>09/02/2011: No significant change observed.<br>09/22/2010: No significant change observed. There is now considerable vegetation at the water line and along the lower berm slope. However, the erosion on the lower berm slope is still present and has not been corrected.<br>08/06/2010: Recommended for local maintenance issue, per CLRO.<br>07/29/2009: No major change since last visit; noticeable vegetation growth; erosion is on berm, but if left untreated, it will eventually erode into levee prism; site is recommended for annual assessment and monitoring of the site, per CLRO CES 2008 Report; Site # is the same as RM6.80,LM0.73; previously rated "U".<br>07/22/2008: Downstream of WPRR near siphon pipe & pump; sandy levee; visited by Jeff Van Gilder and LRO in 2008 for repair assessment; scouring downstream of RR crossing, possibly caused by eddy effects.<br>03/13/2007: Site visited on 03/13/2007. [2015 Site ID:RD2095U01RM6.74] |                    |              |    |                        |             |

Photo 1 of 2 : SJR2015\_RD2095U01RM6.74\_14.jpg



Close view of the erosion downstream of the RR bridge.

| * Location                                      | ** Rating   | + Issue Type   |
|---|---|--|
| LS : Land Side<br>WS : Water Side<br>CR : Crown | A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable                      | Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|   | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |

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|--------------------------|------|------------|--------------------------|---------------------|
| Unit No. 01 Paradise Cut | Left | 1.45       | 10/20/2015<br>10/20/2015 | Maksim<br>Khashchuk |

|          |                    |              |    |                        |               |
|----------|--------------------|--------------|----|------------------------|---------------|
| LM Start | 0.72               | Rating **    | M  | Issue No.              | 1 (cont)      |
| LM End   | 0.73               | Issue Type + | Ma | Location *             | WS            |
| Category | Supplemental       |              |    | GPS Latitude/Longitude |               |
|          |                    |              |    | Start                  | End           |
| Item     | DWR Erosion Survey |              |    | 37.763630 °            | 37.763630 °   |
|          |                    |              |    | -121.319000 °          | -121.319000 ° |
| DWR ID   |                    |              |    |                        |               |

#### Action/Comments

Inspector Comments: 08/04/2015: No significant change observed.  
 08/26/2014: No significant change observed.  
 08/28/2013: No significant change observed.  
 07/18/2012: No significant change observed.  
 09/02/2011: No significant change observed.  
 09/22/2010: No significant change observed. There is now considerable vegetation at the water line and along the lower berm slope. However, the erosion on the lower berm slope is still present and has not been corrected.  
 08/06/2010: Recommended for local maintenance issue, per CLRO.  
 07/29/2009: No major change since last visit; noticeable vegetation growth; erosion is on berm, but if left untreated, it will eventually erode into levee prism; site is recommended for annual assessment and monitoring of the site, per CLRO CES 2008 Report; Site # is the same as RM6.80, LM0.73; previously rated "U".  
 07/22/2008: Downstream of WPRR near siphon pipe & pump; sandy levee; visited by Jeff Van Gilder and LRO in 2008 for repair assessment; scouring downstream of RR crossing, possibly caused by eddy effects.  
 03/13/2007: Site visited on 03/13/2007. [2015 Site ID:RD2095U01RM6.74]

Photo 2 of 2 : SJR2015\_RD2095U01RM6.74\_9.jpg



Close view of the erosion.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



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**Reclamation District No. 2095 Paradise Cut**

| Waterway                      | Bank | Unit Miles | Inspection Start/End     | Inspector        |
|-------------------------------|------|------------|--------------------------|------------------|
| Unit No. 02 San Joaquin River | Left | 3.41       | 10/20/2015<br>10/20/2015 | Maksim Khashchuk |

|  |                        |              |     |                        |               |
|--|------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 0.03                   | Rating **    | A/W | Issue No.              | 9             |
| LM End   | 0.03                   | Issue Type + | Ma  | Location *             | WS            |
| Category   | Earthen Levee          |              |     | GPS Latitude/Longitude |               |
|  |                        |              |     | Start                  | End           |
| Item   | Slope Stability        |              |     | 37.758986 °            | 37.758986 °   |
|  |                        |              |     | -121.307854 °          | -121.307854 ° |
| DWR ID   | DWR_RD2095_02_s_2013_9 |              |     |                        |               |
| Action/Comments  |                        |              |     |                        |               |
| Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                        |              |     |                        |               |

Photo 1 of 1 : FA\_2015\_RD2095\_323\_9\_20150910\_00006.jpg



View of the vehicle tire ruts on waterside levee slope.

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 0.20                    | Rating **    | A/W | Issue No.              | 16            |
| LM End   | 0.34                    | Issue Type + | Ma  | Location *             | LS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Vegetation              |              |     | 37.757042 °            | 37.755242 °   |
|  |                         |              |     | -121.306133 °          | -121.305653 ° |
| DWR ID   | DWR_RD2095_02_f_2015_16 |              |     |                        |               |
| Action/Comments  |                         |              |     |                        |               |
| Control annual grass and weeds on the levee slopes and easements.<br>Inspector Comments: The LMA removed the vegetation from the landside levee slope. |                         |              |     |                        |               |

Photo 1 of 1 : FA\_2015\_RD2095\_323\_16\_20151026\_00014.jpg



View of the tall vegetation on the landside levee slope.

|  |                        |              |     |                        |               |
|--|------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 0.60                   | Rating **    | A/W | Issue No.              | 6             |
| LM End   | 0.60                   | Issue Type + | Ma  | Location *             | LS            |
| Category   | Earthen Levee          |              |     | GPS Latitude/Longitude |               |
|  |                        |              |     | Start                  | End           |
| Item   | Vegetation             |              |     | 37.751668 °            | 37.751668 °   |
|  |                        |              |     | -121.304302 °          | -121.304302 ° |
| DWR ID   | DWR_RD2095_02_s_2012_6 |              |     |                        |               |
| Action/Comments  |                        |              |     |                        |               |
| Elderberries are blocking visibility and flood fight capability. |                        |              |     |                        |               |

Photo 1 of 1 : FA\_2015\_RD2095\_323\_6\_20150910\_00005.jpg



11/01/2011 Elderberry bush at landside toe.

|   |  |   |  |  |  |
|---|--|---|--|--|--|
| <b>* Location</b>                               |  | <b>** Rating</b>  |  | <b>+ Issue Type</b>  |  |
| LS : Land Side<br>WS : Water Side<br>CR : Crown |  | A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable                      |  | Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
| N/A : Not Applicable                            |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |  |  |

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**Reclamation District No. 2095 Paradise Cut**

| Waterway                      | Bank | Unit Miles | Inspection Start/End     | Inspector           |
|-------------------------------|------|------------|--------------------------|---------------------|
| Unit No. 02 San Joaquin River | Left | 3.41       | 10/20/2015<br>10/20/2015 | Maksim<br>Khashchuk |

|  |                            |              |     |                        |               |
|--|----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 0.97                       | Rating **    | A/W | Issue No.              | 941           |
| LM End   | 0.97                       | Issue Type + | Ma  | Location *             | WS            |
| Category   | Earthen Levee              |              |     | GPS Latitude/Longitude |               |
|  |                            |              |     | Start                  | End           |
| Item   | Vegetation                 |              |     | 37.749706 °            | 37.749706 °   |
|  |                            |              |     | -121.299237 °          | -121.299237 ° |
| DWR ID   | DWR_RD2095_02_s _ 2012_941 |              |     |                        |               |
| Action/Comments  |                            |              |     |                        |               |
| Elderberries are blocking visibility and flood fight capability.<br>Inspector Comments: Dense bush within 20' of crown on waterside slope. |                            |              |     |                        |               |

No Photos

|  |                            |              |     |                        |               |
|--|----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 0.98                       | Rating **    | A/W | Issue No.              | 940           |
| LM End   | 0.98                       | Issue Type + | Ma  | Location *             | WS            |
| Category   | Earthen Levee              |              |     | GPS Latitude/Longitude |               |
|  |                            |              |     | Start                  | End           |
| Item   | Vegetation                 |              |     | 37.749629 °            | 37.749629 °   |
|  |                            |              |     | -121.299040 °          | -121.299040 ° |
| DWR ID   | DWR_RD2095_02_s _ 2012_940 |              |     |                        |               |
| Action/Comments  |                            |              |     |                        |               |
| Elderberries are blocking visibility and flood fight capability. |                            |              |     |                        |               |

No Photos

|                              |                          |              |    |                        |               |
|------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start                     | 1.09                     | Rating **    | N  | Issue No.              | 3             |
| LM End                       | 1.09                     | Issue Type + | Ma | Location *             | LS            |
| Category                     | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                              |                          |              |    | Start                  | End           |
| Item                         | Trim / Thin Trees        |              |    | 37.748184 °            | 37.748184 °   |
|                              |                          |              |    | -121.298995 °          | -121.298995 ° |
| DWR ID                       | DWR_RD2095_02_s _ 2012_3 |              |    |                        |               |
| Action/Comments              |                          |              |    |                        |               |
| Tree stumps.                 |                          |              |    |                        |               |
| Inspector Comments: 4 stumps |                          |              |    |                        |               |

Photo 1 of 1 : FA\_2015\_RD2095\_323\_3\_20150910\_00003.jpg



View of the tree stumps on the landside levee slope..

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| * Location<br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | ** Rating<br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | + Issue Type<br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|---|--|--|--|--|--|

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| Waterway                      | Bank | Unit Miles | Inspection Start/End     | Inspector        |
|-------------------------------|------|------------|--------------------------|------------------|
| Unit No. 02 San Joaquin River | Left | 3.41       | 10/20/2015<br>10/20/2015 | Maksim Khashchuk |

|                                      |                        |              |    |                        |             |
|--------------------------------------|------------------------|--------------|----|------------------------|-------------|
| LM Start                             | 1.30                   | Rating **    | N  | Issue No.              | 8           |
| LM End                               | 1.30                   | Issue Type + | Ma | Location *             | LS          |
| Category                             | Earthen Levee          |              |    | GPS Latitude/Longitude |             |
|                                      |                        |              |    | Start                  | End         |
| Item                                 | Trim / Thin Trees      |              |    | 37.745343 °            | 37.745343   |
|                                      |                        |              |    | -121.297620 °          | -121.297620 |
| DWR ID                               | DWR_RD2095_02_f_2012_8 |              |    |                        |             |
| Action/Comments                      |                        |              |    |                        |             |
| Tree stumps.                         |                        |              |    |                        |             |
| Inspector Comments: Two tree stumps. |                        |              |    |                        |             |

No Photos

|                                |                          |              |     |                        |               |
|--------------------------------|--------------------------|--------------|-----|------------------------|---------------|
| LM Start                       | 1.35                     | Rating **    | A/W | Issue No.              | 195           |
| LM End                         | 1.35                     | Issue Type + | Ma  | Location *             | WS            |
| Category                       | Earthen Levee            |              |     | GPS Latitude/Longitude |               |
|                                |                          |              |     | Start                  | End           |
| Item                           | Erosion / Bank Caving    |              |     | 37.744746 °            | 37.744746 °   |
|                                |                          |              |     | -121.297695 °          | -121.297695 ° |
| DWR ID                         | DWR_RD2095_02_s_2014_195 |              |     |                        |               |
| Action/Comments                |                          |              |     |                        |               |
| Note and monitor erosion site. |                          |              |     |                        |               |

Photo 1 of 1 : FA\_2015\_RD2095\_323\_195\_20150910\_00009.jpg



View of the erosion on the waterside levee slope possibly eroding into the levee prism.

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 1.50                    | Rating **    | A/W | Issue No.              | 12            |
| LM End   | 1.50                    | Issue Type + | Ma  | Location *             | WS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Vegetation              |              |     | 37.742828 °            | 37.742828 °   |
|  |                         |              |     | -121.297532 °          | -121.297532 ° |
| DWR ID   | DWR_RD2095_02_s_2012_12 |              |     |                        |               |
| Action/Comments  |                         |              |     |                        |               |
| Elderberries are blocking visibility and flood fight capability. |                         |              |     |                        |               |

No Photos

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|---|--|---|--|

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|-------------------------------|------|------------|--------------------------|------------------|
| Unit No. 02 San Joaquin River | Left | 3.41       | 10/20/2015<br>10/20/2015 | Maksim Khashchuk |

|   |                         |              |    |                        |             |
|---|-------------------------|--------------|----|------------------------|-------------|
| LM Start  | 1.58                    | Rating **    | M  | Issue No.              | 18          |
| LM End  | 1.58                    | Issue Type + | Ma | Location *             | LS          |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |             |
|   |                         |              |    | Start                  | End         |
| Item  | Vegetation              |              |    | 37.742053 °            | 37.742053   |
|   |                         |              |    | -121.296616 °          | -121.296616 |
| DWR ID  | DWR_RD2095_02_f_2015_18 |              |    |                        |             |
| Action/Comments   |                         |              |    |                        |             |
| Control annual grass and weeds on the levee slopes and easements. |                         |              |    |                        |             |

Photo 1 of 1 : FA\_2015\_RD2095\_323\_18\_20151026\_00016.jpg



View of the tall vegetation on the landside levee slope.

|   |                    |              |    |                        |               |
|---|--------------------|--------------|----|------------------------|---------------|
| LM Start  | 1.74               | Rating **    | M  | Issue No.              | 1             |
| LM End  | 1.77               | Issue Type + | Ma | Location *             | WS            |
| Category  | Supplemental       |              |    | GPS Latitude/Longitude |               |
|   |                    |              |    | Start                  | End           |
| Item  | DWR Erosion Survey |              |    | 37.740196 °            | 37.740196 °   |
|   |                    |              |    | -121.297662 °          | -121.297662 ° |
| DWR ID  |                    |              |    |                        |               |
| Action/Comments   |                    |              |    |                        |               |
| Inspector Comments: 08/04/2015: No significant change observed.<br>7/02/2014: No significant change observed.<br>08/28/2013: No significant change observed.<br>09/13/2012: The site has been visited by land survey. The vegetation on the site shows the erosion has not developed significantly from the last survey.<br>The site was not visited by boat survey due to the limitation of navigable waterway.<br>08/23/2011: No significant change observed.<br>9/22/2010: No significant change observed. There is moderate vegetation growth on the berm. Despite the erosion occurring on the berm, corrective action should be taken before the issue becomes severe.<br>9/29/2009: Site is immediately downstream of a section of existing rip rap; there is a 20-foot berm remaining; berm will continue to erode unless erosion is mitigated; Site# is the same as RM62.6, LM1.87; recommended for annual assessment, per CES Evaluation 2008 Report 2006: Visited 10/20/06 [2015 Site ID:RD2095U02RM60.62] |                    |              |    |                        |               |

Photo 1 of 3 : SJR2015\_RD2095U02RM60.62\_12.jpg



Close view of the site.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

### Reclamation District No. 2095 Paradise Cut

| Waterway                      | Bank | Unit Miles | Inspection Start/End     | Inspector        |
|-------------------------------|------|------------|--------------------------|------------------|
| Unit No. 02 San Joaquin River | Left | 3.41       | 10/20/2015<br>10/20/2015 | Maksim Khashchuk |

|          |                    |              |    |                        |               |
|----------|--------------------|--------------|----|------------------------|---------------|
| LM Start | 1.74               | Rating **    | M  | Issue No.              | 1 (cont)      |
| LM End   | 1.77               | Issue Type + | Ma | Location *             | WS            |
| Category | Supplemental       |              |    | GPS Latitude/Longitude |               |
|          |                    |              |    | Start                  | End           |
| Item     | DWR Erosion Survey |              |    | 37.740196 °            | 37.740196 °   |
|          |                    |              |    | -121.297662 °          | -121.297662 ° |
| DWR ID   |                    |              |    |                        |               |

#### Action/Comments

Inspector Comments: 08/04/2015: No significant change observed.  
 7/02/2014: No significant change observed.  
 08/28/2013: No significant change observed.  
 09/13/2012: The site has been visited by land survey. The vegetation on the site shows the erosion has not developed significantly from the last survey.  
 The site was not visited by boat survey due to the limitation of navigable waterway.  
 08/23/2011: No significant change observed.  
 9/22/2010: No significant change observed. There is moderate vegetation growth on the berm. Despite the erosion occurring on the berm, corrective action should be taken before the issue becomes severe.  
 9/29/2009: Site is immediately downstream of a section of existing rip rap; there is a 20-foot berm remaining; berm will continue to erode unless erosion is mitigated; Site# is the same as RM62.6, LM1.87; recommended for annual assessment, per CES Evaluation 2008 Report 2006: Visited 10/20/06 [2015 Site ID:RD2095U02RM60.62]

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>1.74</b> | Rating **    | M  | Issue No.  | <b>1 (cont)</b> |
| LM End   | <b>1.77</b> | Issue Type + | Ma | Location * | WS              |

Photo 2 of 3 : SJR2015\_RD2095U02RM60.62\_13.jpg



View of the erosion.

Photo 3 of 3 : SJR2015\_RD2095U02RM60.62\_4.jpg



Close view of the site.

| * Location                                      | ** Rating   | + Issue Type   |
|---|---|--|
| LS : Land Side<br>WS : Water Side<br>CR : Crown | A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable                      | Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
| N/A : Not Applicable                            | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

### Reclamation District No. 2095 Paradise Cut

| Waterway                      | Bank | Unit Miles | Inspection Start/End     | Inspector        |
|-------------------------------|------|------------|--------------------------|------------------|
| Unit No. 02 San Joaquin River | Left | 3.41       | 10/20/2015<br>10/20/2015 | Maksim Khashchuk |

|   |                    |              |    |                        |               |
|---|--------------------|--------------|----|------------------------|---------------|
| LM Start  | 1.82               | Rating **    | M  | Issue No.              | 2             |
| LM End  | 1.86               | Issue Type + | Ma | Location *             | WS            |
| Category  | Supplemental       |              |    | GPS Latitude/Longitude |               |
|   |                    |              |    | Start                  | End           |
| Item  | DWR Erosion Survey |              |    | 37.738880 °            | 37.738880 °   |
|   |                    |              |    | -121.298260 °          | -121.298260 ° |
| DWR ID  |                    |              |    |                        |               |
| Action/Comments   |                    |              |    |                        |               |
| Inspector Comments: 08/04/2015: No significant change observed.<br>7/02/2014: No significant change observed.<br>08/28/2013: No significant change observed. Dense vegetation blocks the visual inspection at the site.<br>09/13/2012: The site has been visited by land survey. The erosion is not visible from the levee slope because of dense vegetation at the site. |                    |              |    |                        |               |

Photo 1 of 1 : SJR2015\_RD2095U02RM60.69\_2.jpg



The erosion is not visible from the levee top. The levee slope is protected by riprap rocks.

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 2.12                    | Rating **    | A/W | Issue No.              | 20            |
| LM End   | 2.12                    | Issue Type + | Ma  | Location *             | WS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Vegetation              |              |     | 37.734858 °            | 37.734858 °   |
|  |                         |              |     | -121.297758 °          | -121.297758 ° |
| DWR ID   | DWR_RD2095_02_s_2012_20 |              |     |                        |               |
| Action/Comments  |                         |              |     |                        |               |
| Elderberries are blocking visibility and flood fight capability. |                         |              |     |                        |               |

No Photos

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| * Location<br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | ** Rating<br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | + Issue Type<br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|---|--|--|--|--|--|